

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738317

Luminaire Tested: **22PT-60-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PW1-L940
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

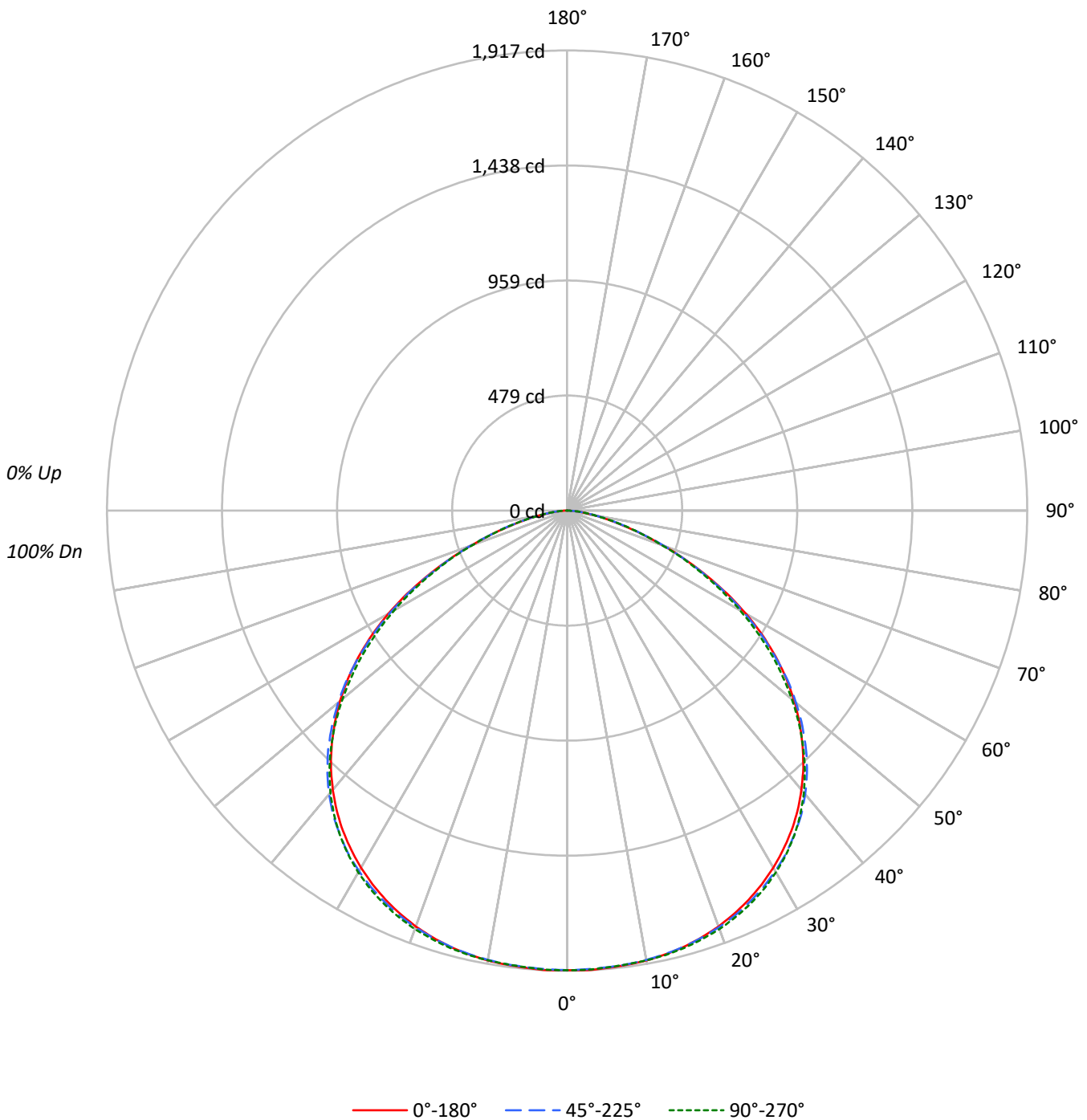
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5535.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37		48	42	37		47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5610	5610	5610
5°	5626	5618	5620
10°	5663	5654	5660
15°	5706	5705	5721
20°	5749	5761	5785
25°	5783	5816	5843
30°	5812	5867	5888
35°	5826	5902	5904
40°	5809	5902	5869
45°	5751	5833	5762
50°	5634	5675	5571
55°	5415	5391	5290
60°	5041	4985	4880
65°	4446	4403	4318
70°	3641	3658	3582
75°	2758	2851	2828
80°	1998	2079	2045
85°	1308	1358	1449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	3.3
10°-20°	531.8	9.6
20°-30°	829.1	15.0
30°-40°	1027.6	18.6
40°-50°	1075.3	19.4
50°-60°	937.0	16.9
60°-70°	627.7	11.3
70°-80°	272.1	4.9
80°-90°	52.4	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1543.0	27.9
0°-40°	2570.6	46.4
0°-60°	4582.8	82.8
0°-90°	5535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1915	1915	1915	1915	1915	
5°	1913	1911	1910	1909	1911	182
15°	1881	1878	1881	1883	1886	532
25°	1789	1790	1799	1805	1807	825
35°	1629	1635	1650	1652	1651	1018
45°	1388	1395	1408	1396	1391	1069
55°	1060	1059	1055	1044	1036	944
65°	641	638	635	629	623	634
75°	244	248	252	250	250	268
85°	39	42	40	41	43	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.8	1914.8	1914.8	1914.8	1914.8
2.5°	1916.8	1913.4	1912.7	1912.7	1914.8
5°	1912.7	1910.7	1909.9	1909.4	1910.7
7.5°	1908.7	1905.9	1906.7	1905.2	1906.7
10°	1903.2	1900.5	1900.5	1900.5	1902.5
12.5°	1893.6	1891.6	1892.3	1893.6	1896.3
15°	1881.2	1878.5	1880.6	1882.6	1886.1
17.5°	1864.1	1862.1	1865.5	1869.0	1871.7
20°	1843.7	1841.5	1847.7	1852.6	1855.3
22.5°	1818.2	1817.7	1825.9	1831.3	1833.3
25°	1788.9	1789.5	1799.1	1804.6	1807.3
27.5°	1755.3	1756.7	1769.1	1773.8	1776.6
30°	1717.8	1721.1	1734.2	1738.2	1740.4
32.5°	1675.2	1680.1	1695.8	1698.5	1698.5
35°	1628.8	1634.8	1649.9	1651.9	1650.7
37.5°	1576.8	1583.5	1600.6	1597.9	1595.9
40°	1518.6	1526.0	1543.1	1537.7	1534.4
42.5°	1456.3	1463.8	1478.9	1470.7	1465.8
45°	1387.9	1395.4	1407.7	1396.1	1390.6
47.5°	1313.9	1322.8	1329.0	1316.0	1309.1
50°	1236.0	1238.7	1244.9	1229.8	1222.2
52.5°	1151.0	1151.0	1155.9	1139.4	1130.5
55°	1060.0	1059.3	1055.3	1043.7	1035.5
57.5°	963.6	959.4	956.7	944.3	934.9
60°	860.3	854.1	850.6	840.4	832.8
62.5°	752.2	748.7	744.5	736.4	728.2
65°	641.2	637.7	635.0	629.0	622.8
67.5°	531.1	528.9	528.9	524.9	524.2
70°	425.0	426.3	427.0	427.0	418.1
72.5°	329.1	329.9	333.3	330.6	329.9
75°	243.6	247.8	251.8	249.8	249.8
77.5°	175.2	181.4	181.4	179.9	177.9
80°	118.4	121.2	123.2	122.5	121.2
82.5°	75.3	77.3	75.3	76.6	77.3
85°	38.9	41.7	40.4	41.1	43.1
87.5°	12.9	14.4	15.1	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)